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(54) SURFACE ACOUSTIC WAVE FILTER

(57)Abstract:

PURPOSE: To prevent electrostatic breakdown due to application of static electricity by forming a thin film resistor on an anti-static short-circuit resistor.

CONSTITUTION: Anti-static electrodes 13a, 14a are provided on an input electrode 9 and an output electrode 10 on the surface of a piezoelectric substrate 8 and resistive thin films 13, 14 are formed on them as anti-static short-circuit resistors. Through a constitution above, even when static electricity is applied to the input output electrodes 9, 10 for plural number of times, the voltage is cancelled via the resistance thin films 13, 14, and electrostatic destruction of exciting sections 11a, 12a is prevented. Furthermore, the resistance thin films 13, 14 are preferably made of any of metallic boride, metallic carbide, metallic nitride, metallic oxide or metallic silicide.

